2014-2018 Capital Improvement Program Strategy

7/10/2012

The Capital Improvement Program (CIP) strategy is rooted in a series of other strategic documents, business practices, external regulations, and public input. These are highlighted below.

The overall strategic mission of the Bureau is:

> *The Bureau of Environmental Services serves the Portland community by protecting public health, water quality and the environment. We provide sewage and stormwater collection and treatment services to accommodate Portland's current and future needs. We protect the quality of surface and ground waters and conduct activities that plan and promote healthy ecosystems in our watersheds.*

The Bureau updated its Strategic Plan for the 2011-2016 time period. This updated plan supersedes "Our Clean River Guide" as the strategic framework for both the operating and capital budgets. The Strategic Plan identifies five key priorities:

- *Responsibly manage ratepayer funds to provide services that address community needs now and in the future;*
- *Protect, rehabilitate, and maintain our existing infrastructure for long-term reliability;*
- *Invest in new natural and built systems to protect public health and improve watershed health;*
- *Build and expand partnerships to better meet our Mission and Vision; and,*
- *Cultivate leadership and excellence in our workforce.*

The work of the Bureau is focused on strategic and comprehensive program delivery protecting public health and restoring the environment within a prescribed, but negotiated, regulatory framework. Using asset management principles, the Bureau budgets to maintain infrastructure and natural systems to meet regulatory requirements and enhance the health of watersheds. Asset management addresses life-cycle costs, trade-offs between capital and operating expenditures, and prioritization of projects based on risk and consequence of failure, to achieve long-term system sustainability and acceptable levels of service. The Bureau recognizes the enhanced benefits of an integrated approach rather than one that addresses only single subject permit requirements. This integrated approach improves watershed conditions – hydrology, habitat, water and sediment quality, and biological communities – as it solves urban environmental problems.

While an integrated approach is the goal of the Bureau, regulatory requirements continue to affect the CIP program. A list of regulatory requirements is posted (see T:/CIP Development 2014/Portland Environmental Mandates 2011.pdf).

Other priorities that guide the Bureau's investments include:

- Continue to ensure that all projects include consideration of Minority, Women Owned and Emerging Small Businesses (M/W/ESB) program objectives along with meeting public involvement program goals.
- Pursue cost-sharing partnerships and provide matching funds for projects that are significantly funded by others for projects consistent with the Bureau's strategic objectives.
- Bond covenant commitments to maintain infrastructure purchased with bond proceeds.

The Bureau focuses efforts on comprehensive, multi-purpose solutions in the highest priority areas for work in all four program areas of the CIP. Specific objectives for the program areas are described below:

Sewage Pumping and Treatment Systems

Regulations, primarily through the NPDES Waste Discharge permits, require investment in the ten year planning horizon with a focus on process improvements at Columbia Boulevard Wastewater Treatment Plant (CBWTP) such as step feed and upgrades to the mixing systems in the digesters. The balance of this program area focuses on ongoing maintenance needs at the CBWTP and the Tryon Creek Wastewater Treatment Plant (TCWTP) through the Repair, Rehabilitation and Modification program and for the pumping system through the Pump Station Improvement program. An updated Facilities Plan for CBWTP was completed in March 2010. No new projects were identified for the near term. An update to the TCWTP Facilities Plan is in process and due to be complete late calendar year 2013.

Collection System Maintenance and Reliability

Improve and maintain the collection system to provide accepted levels of service. The March 2012 Systems Plan (for sanitary and combined sewers) recommends on projects with a favorable benefit/cost ratio that reduce bureau risk. Approximately $175 million in pipe rehabilitation need has been identified for near-term investment. Additional projects are planned to address the *highest risk* of basement sewer backup. In response to system failure in the Fanno Basin, an extensive improvement program is underway including an expansion to the existing pump station. This work is scheduled to occur between now and fiscal year 2015.

Surface Water Management

In collaboration with other program areas and community partners, systematically protect and restore surface water assets and insure overall watershed health. Prioritize projects that protect, enhance, or restore the most critical existing watershed functions and/or preserve those locations at the greatest risk of damage. This is accomplished by implementing the Watershed Plan recommendations for systematically restoring important natural functions and/or using green infrastructure to reduce or avoid stormwater impacts. The Bureau is developing a stormwater system plan as part of its overall system planning and asset management implementation. The pilot project for the Stephens Creek subwatershed will serve as a model for continued systems planning work and will inform future CIP development. Near-term priorities for this program area including continuing restoration on Johnson Creek; stormwater projects in Fanno/Tryon and the Columbia Slough; and restoration and enhancement projects along the main stem Willamette River, tributaries, and the Columbia Slough.

Systems Development

In support of the 2040 plan, fund projects that cost effectively and incrementally expand our sewer collection system. Meet multiple watershed objectives in execution of these projects. This program area also funds sewer improvements in association with public works projects by others, primarily transportation projects – both road and transit. In response to Council action, the Bureau has developed a program to address non-conforming sewer connections. Most of the work to date has been in response to either a service failure or a property sale. Some work has been accomplished in conjunction with planned pipe rehabilitation projects. As resources permit, the Bureau hopes to address these in a more proactive manner.

DRAFT Proposed CIP by CIP Program Area

	FY 14	FY 15	FY 16	FY 17	FY 18	5-year total
SEWAGE TREATMENT						
Pump Station Improvements - SHELL	3,600,000	3,800,000	4,000,000	4,000,000	4,000,000	19,400,000
Rehab; Repair & Modifications - SHELL	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	10,000,000
Ankeny PS Upgrade	1,000,000	0	0	0	0	1,000,000
SICSO Force Main 3 Drain-back Improvemnt	110,000	291,000	0	0	0	401,000
Lagoon Ph 2 Cells 3 & 4	3,500,000	200,000	0	0	0	3,700,000
Lagoon Ph 3 & 4 Cells 1 & 2	0	1,400,000	4,000,000	4,000,000	800,000	10,200,000
Lagoon - Environmental Enhancements	0	0	0	0	300,000	300,000
CBWTP Secondary Trmt Expansion	0	0	1,884,000	3,123,000	3,123,000	8,130,000
CBWTP Digester Mixing	3,500,000	0	0	0	0	3,500,000
CBWTP Secondary Process Improvements	3,400,000	0	0	0	0	3,400,000
CBWTP Cogeneration Expansion	400,000	2,325,000	2,458,000	0	0	5,183,000
CBWTP Seismic Improvement	0	0	1,727,000	1,591,000	1,270,000	4,588,000
WWTF Outfall Diffuser Ext	0	0	664,000	1,440,000	0	2,104,000
CBWTP TWAS Piping Upgrade	150,000	400,000	400,000	0	0	950,000
CBWTP Dewatering Improvements	0	0	0	0	799,000	799,000
CBWTP Reuse System Replacement	0	0	380,000	386,000	2,224,000	2,990,000
TCWTP Headworks/Screen House	0	0	0	0	129,000	129,000
TCWTP Secondary Clarifier Addition	0	0	0	0	210,000	210,000
TCWTP Headworks & Primary Clarifier	0	91,000	367,000	463,000	0	921,000
TCWTP Thickners & WAS Well	0	330,000	351,000	0	0	681,000
TCWTP Seismic Improvement	0	0	11,000	411,000	0	422,000
TCWTP PLC System Replacement	216,000	0	0	0	0	216,000
Sewage Treatment Total:	17,876,000	10,837,000	18,242,000	17,414,000	14,855,000	79,224,000
MAINTENANCE & RELIABILITY						
Maintenance Capital - Const - SHELL	230,000	230,000	230,000	240,000	240,000	1,170,000
Maintenance Capital- Contract - SHELL	2,700,000	2,700,000	2,500,000	3,000,000	3,000,000	13,900,000
Tryon SS Protection: 1A TCWTP to Hwy 43	400,000	2,640,000	0	0	0	3,040,000
Phase 1 Pipe Rehab	5,200,000	0	0	0	0	5,200,000
Phase 2 Pipe Rehab	27,934,000	41,493,000	33,432,000	12,228,000	1,736,000	116,823,000
Phase 3 Pipe Rehab	0	0	500,000	4,200,000	10,000,000	14,700,000
Ash Creek Sewer Rehab	700,000	0	0	0	0	700,000
Willamette Interceptor Upgrade	0	0	174,000	676,000	1,271,000	2,121,000
SE Interceptor Rehabilitation	295,000	295,000	1,201,000	4,414,000	1,540,000	7,745,000

	FY 14	FY 15	FY 16	FY 17	FY 18	5-year total
Structural Rehabilitation Taggart OF 30	711,000	711,000	2,294,000	8,227,000	2,796,000	14,739,000
Burlingame Basin I/I	2,100,000	880,000	2,100,000	3,000,000	3,000,000	11,080,000
Tryon Creek I/I	25,000	25,000	25,000	1,015,000	2,125,000	3,215,000
Fanno Creek I/I	300,000	1,360,000	2,570,000	3,000,000	2,025,000	9,255,000
Fanno Basin System Improvements	12,643,000	8,850,000	45,000	0	0	21,538,000
Hollywood Stormwater & Sewer Solutions	1,000,000	3,000,000	4,000,000	3,000,000	0	11,000,000
Stark HSS-17	0	0	0	924,000	1,200,000	2,124,000
Beech Essex CP-K	0	0	53,000	289,000	1,104,000	1,446,000
Beech-Essex CP-J	0	53,000	842,000	5,675,000	1,471,000	8,041,000
SE Oak St Sewer Repair & Inflow Controls	1,200,000	50,000	0	0	0	1,250,000
Oak A Basin Phase 2	0	0	0	0	503,000	503,000
Far North Nicolai	702,000	2,090,000	739,000	0	0	3,531,000
North Tanner	0	0	0	1,539,000	773,000	2,312,000
East Nicolai	0	0	0	0	492,000	492,000
BCC Support Project	2,000,000	0	0	0	0	2,000,000
Southeast Tanner	0	0	596,000	1,854,000	1,126,000	3,576,000
Southwest Tanner	0	0	0	488,000	635,000	1,123,000
SE Powell Recon & GRST (TGD-01,02,06)	561,000	3,603,000	90,000	90,000	92,000	4,436,000
SE Division Reconstruction	3,000,000	1,000,000	50,000	50,000	0	4,100,000
SE 41st Recon & GRST(22)	546,000	1,182,000	85,000	85,000	84,000	1,982,000
SE Hawthorne Recon GRST (23)	489,000	898,000	22,000	6,000	6,000	1,421,000
SE 41st & SE Madison	500,000	24,000	23,000	0	0	547,000
SE Clinton & Caruthers	400,000	1,400,000	50,000	50,000	0	1,900,000
Richmond Neighborhood Sewer Rehab/GrnSt	0	0	150,000	575,000	3,653,000	4,378,000
Wheeler WHE-04	400,000	1,327,000	4,318,000	4,317,000	0	10,362,000
Eastside Industrial Recon/GRST (ALD_01)	0	0	0	0	1,677,000	1,677,000
Sunnyside North Recon/GRST	0	0	785,000	1,021,000	4,973,000	6,779,000
Sunnyside South Recon/GRST	0	0	0	1,021,000	5,145,000	6,166,000
Ladd's Addition South Recon/GRST	0	0	0	725,000	3,658,000	4,383,000
Sunnyside East Recon/GRST	0	103,000	365,000	2,411,000	0	2,879,000
Buckman East Recon/GRST	0	0	0	0	1,095,000	1,095,000
Piedmont-Woodlawn-King Sewer Rehb Proj	500,000	1,259,000	1,375,000	7,000,000	7,239,000	17,373,000
Bike Boulevard Green Street	1,765,000	71,000	0	0	0	1,836,000
OCIP Phase IV	800,000	800,000	500,000	300,000	0	2,400,000
Maintenance & Reliability Total:	67,101,000	76,044,000	59,114,000	71,420,000	62,659,000	336,338,000

SURFACE WATER MANAGEMENT	FY 14	FY 15	FY 16	FY 17	FY 18	5-year total
CS - NE 33rd Drive Culvert Phase II	2,300,000	0	0	0	0	2,300,000
CS - NE 148th Basin WQF Phase II	1,708,000	0	0	0	0	1,708,000
CS Outfalls Predesign	154,000	0	0	0	0	154,000
JC - West Lents Flood Mitigation	0	303,000	545,000	2,757,000	2,815,000	6,420,000
JC - Luther Road Habitat Restoration Project	3,500,000	200,000	0	0	0	3,700,000
JC - Community Restoration Partnership	75,000	300,000	398,000	398,000	398,000	1,569,000
JC - Springwater Wetland	150,000	0	0	0	0	150,000
JC - Brunkow	0	256,000	514,000	24,000	0	794,000
JC - Freeway Land Co FP Restoration	50,000	50,000	1,000,000	3,000,000	3,000,000	7,100,000
JC - Oxbow	0	242,000	182,000	972,000	0	1,396,000
JC Willing Seller Phase II Post-SAP	500,000	500,000	500,000	500,000	500,000	2,500,000
Fanno/Tryon Stormwater Retrofits	0	132,000	485,000	485,000	406,000	1,508,000
Fanno Beaverton Hillsdale Hwy	386,000	604,000	0	0	0	990,000
FT - SW 45th Ave Culvert	65,000	62,000	483,000	0	0	610,000
Fanno/Tryon Outfall	100,000	950,000	50,000	0	0	1,100,000
F/T - Barbur Blvd Drainage Retrofit	40,000	40,000	254,000	254,000	214,000	802,000
F/T - I-5 / SW 26 WQF	2,000,000	100,000	0	0	0	2,100,000
F/T - Jackson Middle School Creek Daylite	0	0	168,000	929,000	295,000	1,392,000
F/T -Spring Garden Stream	125,000	0	0	0	0	125,000
F/T - Boones Ferry Culvert	231,000	250,000	1,434,000	250,000	0	2,165,000
Fanno/Tryon WQF 2	0	0	35,000	270,000	270,000	575,000
Fanno/Tryon Drainage Shoulder Improvemnt	0	213,000	1,198,000	1,195,000	1,195,000	3,801,000
SE Platt Ave WQF	160,000	0	0	0	0	160,000
Stephens Creek Confluence Monitoring	10,000	10,000	0	0	0	20,000
Watershed Investment Fund	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	7,500,000
G2G Land Acquisition	2,000,000	2,000,000	2,000,000	500,000	0	6,500,000
Watershed Land Acquisition Program	0	0	0	1,000,000	1,000,000	2,000,000
G2G Green Street Program	719,000	0	0	0	0	719,000
Green Streets/Bikeways	200,000	800,000	0	0	0	1,000,000
Reveg Annual Plant Est Umbrell FY13,FY14	259,000	0	0	0	0	259,000
E Moreland Golf Course Culvert Replacement	300,000	0	0	0	0	300,000
Crystal Springs Green Streets	50,000	300,000	0	0	0	350,000
Westmoreland Ph.2/Tacoma Culvert & GS	1,200,000	0	0	0	0	1,200,000
Culvert Replacement Phase II	1,241,000	1,707,000	931,000	0	0	3,879,000
Railroad Culvert Replacement	39,000	0	0	0	0	39,000

	FY 14	FY 15	FY 16	FY 17	FY 18	5-year total
Stephens Creek Phase 1 Improvements	675,000	975,000	800,000	800,000	200,000	3,450,000
Portland Harbor NRDA Credits						
PH1: Oaks B. Culvert Replc	100,000	1,954,000	0	0	0	2,054,000
Swan Island Beach Mitigation Bank	10,000	500,000	0	0	0	510,000
Willamette Park Bank Restoration	391,000	946,000	3,532,000	0	0	4,869,000
Portland Harbor NRDA Credits	67,000	139,000	424,000	0	0	630,000
Surface Water Management Total:	20,305,000	15,033,000	16,433,000	14,834,000	11,793,000	78,398,000
COMBINED SEWER						
Eastside CSO System Startup	495,000	0	0	0	0	495,000
Insley Flow Control Structure	3,000,000	0	0	0	0	3,000,000
CSO Transients Relief	55,000	165,000	300,000	500,000	0	1,020,000
Combined Sewer Total:	3,550,000	165,000	300,000	500,000	0	4,515,000
SYSTEMS DEVELOPMENT						
Drainage Improvement - SHELL	250,000	250,000	250,000	250,000	250,000	1,250,000
BTE Interagency - SHELL	350,000	350,000	350,000	350,000	350,000	1,750,000
Permit Reimbursement	45,000	45,000	45,000	45,000	45,000	225,000
S Airport 4	1,100,000	0	0	0	0	1,100,000
Party Sewers	2,450,000	2,400,000	2,000,000	2,000,000	2,000,000	10,850,000
Milw Light Rail Ext-Swr Reloc-R&R-GrnSt	226,000	226,000	42,000	0	0	494,000
Sewer Easements on Existing Sewers	50,000	50,000	50,000	50,000	50,000	250,000
SW Terwilliger Blvd & Powers Ct SSwr Ext	2,750,000	0	0	0	0	2,750,000
SE Foster & 122nd Sewer Extension	0	368,000	0	0	0	368,000
Swr Ext Septic Sys w/High Failure Risk	200,000	550,000	1,925,000	2,675,000	2,300,000	7,650,000
Systems Development Total:	7,421,000	4,239,000	4,662,000	5,370,000	4,995,000	26,687,000
	116,253,000	106,318,000	98,751,000	109,538,000	94,302,000	525,162,000

DRAFT Proposed CIP by Risk Factors

	FY 14	FY 15	FY 16	FY 17	FY 18	5-year total
Emergency Projects						
Maintenance Capital - Const - SHELL	230,000	230,000	230,000	240,000	240,000	1,170,000
Maintenance Capital- Contract - SHELL	2,700,000	2,700,000	2,500,000	3,000,000	3,000,000	13,900,000
SW Terwilliger Blvd & Powers Ct SSwr Ext	2,750,000	0	0	0	0	2,750,000
	5,680,000	2,930,000	2,730,000	3,240,000	3,240,000	17,820,000
Projects to meet regulatory or other compliance deadlines						
Lagoon Ph 2 Cells 3 & 4	3,500,000	200,000	0	0	0	3,700,000
Lagoon Ph 3 & 4 Cells 1 & 2	0	1,400,000	4,000,000	4,000,000	800,000	10,200,000
Lagoon - Environmental Enhancements	0	0	0	0	300,000	300,000
CBWTP Secondary Trmt Expansion	0	0	1,884,000	3,123,000	3,123,000	8,130,000
CBWTP Digester Mixing	3,500,000	0	0	0	0	3,500,000
CBWTP Secondary Process Improvements	3,400,000	0	0	0	0	3,400,000
Fanno Basin System Improvements	12,643,000	8,850,000	45,000	0	0	21,538,000
Burlingame Basin I/I	2,100,000	880,000	2,100,000	3,000,000	3,000,000	11,080,000
Tryon Creek I/I	25,000	25,000	25,000	1,015,000	2,125,000	3,215,000
Fanno Creek I/I	300,000	1,360,000	2,570,000	3,000,000	2,025,000	9,255,000
Stephens Creek Phase 1 Improvements	675,000	975,000	800,000	800,000	200,000	3,450,000
Portland Harbor NRDA Credits						
PH1: Oaks B. Culvert Replc	100,000	1,954,000	0	0	0	2,054,000
Swan Island Beach Mitigation Bank	10,000	500,000	0	0	0	510,000
Willamette Park Bank Restoration	391,000	946,000	3,532,000	0	0	4,869,000
Portland Harbor NRDA Credits	67,000	139,000	424,000	0	0	630,000
	26,711,000	17,229,000	15,380,000	14,938,000	11,573,000	85,831,000
Externally driven projects						
Willamette Interceptor Upgrade	0	0	174,000	676,000	1,271,000	2,121,000
Insley Flow Control Structure	3,000,000	0	0	0	0	3,000,000
Drainage Improvement - SHELL	250,000	250,000	250,000	250,000	250,000	1,250,000
BTE Interagency - SHELL	350,000	350,000	350,000	350,000	350,000	1,750,000
Permit Reimbursement	45,000	45,000	45,000	45,000	45,000	225,000
S Airport 4	1,100,000	0	0	0	0	1,100,000
Party Sewers	2,450,000	2,400,000	2,000,000	2,000,000	2,000,000	10,850,000
Milw Light Rail Ext-Swr Reloc-R&R-GrnSt	226,000	226,000	42,000	0	0	494,000
SE Foster & 122nd Sewer Extension	0	368,000	0	0	0	368,000
Swr Ext Septic Sys w/High Failure Risk	200,000	550,000	1,925,000	2,675,000	2,300,000	7,650,000
	7,621,000	4,189,000	4,786,000	5,996,000	6,216,000	28,808,000

	FY 14	FY 15	FY 16	FY 17	FY 18	5-year total
High risk / System maintenance						
Eastside CSO System Startup	495,000	0	0	0	0	495,000
CSO Transients Relief	55,000	165,000	300,000	500,000	0	1,020,000
Pump Station Improvements - SHELL	3,600,000	3,800,000	4,000,000	4,000,000	4,000,000	19,400,000
Rehab; Repair & Modifications - SHELL	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	10,000,000
Ankeny PS Upgrade	1,000,000	0	0	0	0	1,000,000
SICSO Force Main 3 Drain-back Improvemnt	110,000	291,000	0	0	0	401,000
CBWTP Cogeneration Expansion	400,000	2,325,000	2,458,000	0	0	5,183,000
CBWTP Seismic Improvement	0	0	1,727,000	1,591,000	1,270,000	4,588,000
WWTF Outfall Diffuser Ext	0	0	664,000	1,440,000	0	2,104,000
CBWTP TWAS Piping Upgrade	150,000	400,000	400,000	0	0	950,000
CBWTP Dewatering Improvements	0	0	0	0	799,000	799,000
CBWTP Reuse System Replacement	0	0	380,000	386,000	2,224,000	2,990,000
TCWTP Headworks/Screen House	0	0	0	0	129,000	129,000
TCWTP Secondary Clarifier Addition	0	0	0	0	210,000	210,000
TCWTP Headworks & Primary Clarifier	0	91,000	367,000	463,000	0	921,000
TCWTP Thickners & WAS Well	0	330,000	351,000	0	0	681,000
TCWTP Seismic Improvement	0	0	11,000	411,000	0	422,000
TCWTP PLC System Replacement	216,000	0	0	0	0	216,000
Tryon SS Protection: 1A TCWTP to Hwy 43	400,000	2,640,000	0	0	0	3,040,000
Phase 1 Pipe Rehab	5,200,000	0	0	0	0	5,200,000
Phase 2 Pipe Rehab	27,934,000	41,493,000	33,432,000	12,228,000	1,736,000	116,823,000
Phase 3 Pipe Rehab	0	0	500,000	4,200,000	10,000,000	14,700,000
Ash Creek Sewer Rehab	700,000	0	0	0	0	700,000
SE Interceptor Rehabilitation	295,000	295,000	1,201,000	4,414,000	1,540,000	7,745,000
Structural Rehabilitation Taggart OF 30	711,000	711,000	2,294,000	8,227,000	2,796,000	14,739,000
Hollywood Stormwater & Sewer Solutions	1,000,000	3,000,000	4,000,000	3,000,000	0	11,000,000
Stark HSS-17	0	0	0	924,000	1,200,000	2,124,000
Beech Essex CP-K	0	0	53,000	289,000	1,104,000	1,446,000
Beech-Essex CP-J	0	53,000	842,000	5,675,000	1,471,000	8,041,000
SE Oak St Sewer Repair & Inflow Controls	1,200,000	50,000	0	0	0	1,250,000
Oak A Basin Phase 2	0	0	0	0	503,000	503,000
Far North Nicolai	702,000	2,090,000	739,000	0	0	3,531,000
North Tanner	0	0	0	1,539,000	773,000	2,312,000
East Nicolai	0	0	0	0	492,000	492,000
BCC Support Project	2,000,000	0	0	0	0	2,000,000
Southeast Tanner	0	0	596,000	1,854,000	1,126,000	3,576,000
Southwest Tanner	0	0	0	488,000	635,000	1,123,000

	FY 14	FY 15	FY 16	FY 17	FY 18	5-year total
SE Powell Recon & GRST (TGD-01,02,06)	561,000	3,603,000	90,000	90,000	92,000	4,436,000
SE Division Reconstruction	3,000,000	1,000,000	50,000	50,000	0	4,100,000
SE 41st Recon & GRST(22)	546,000	1,182,000	85,000	85,000	84,000	1,982,000
SE Hawthorne Recon GRST (23)	489,000	898,000	22,000	6,000	6,000	1,421,000
SE 41st & SE Madison	500,000	24,000	23,000	0	0	547,000
SE Clinton & Caruthers	400,000	1,400,000	50,000	50,000	0	1,900,000
Richmond Neighborhood Sewer Rehab/GrnSt	0	0	150,000	575,000	3,653,000	4,378,000
Wheeler WHE-04	400,000	1,327,000	4,318,000	4,317,000	0	10,362,000
Eastside Industrial Recon/GRST (ALD_01)	0	0	0	0	1,677,000	1,677,000
Sunnyside North Recon/GRST	0	0	785,000	1,021,000	4,973,000	6,779,000
Sunnyside South Recon/GRST	0	0	0	1,021,000	5,145,000	6,166,000
Ladd's Addition South Recon/GRST	0	0	0	725,000	3,658,000	4,383,000
Sunnyside East Recon/GRST	0	103,000	365,000	2,411,000	0	2,879,000
Buckman East Recon/GRST	0	0	0	0	1,095,000	1,095,000
Piedmont-Woodlawn-King Sewer Rehb Proj	500,000	1,259,000	1,375,000	7,000,000	7,239,000	17,373,000
OCIP Phase IV	800,000	800,000	500,000	300,000	0	2,400,000
Sewer Easements on Existing Sewers	50,000	50,000	50,000	50,000	50,000	250,000
CS - NE 148th Basin WQF Phase II	1,708,000	0	0	0	0	1,708,000
CS Outfalls Predesign	154,000	0	0	0	0	154,000
JC - West Lents Flood Mitigation	0	303,000	545,000	2,757,000	2,815,000	6,420,000
JC - Luther Road Habitat Restoration Project	3,500,000	200,000	0	0	0	3,700,000
JC - Community Restoration Partnership	75,000	300,000	398,000	398,000	398,000	1,569,000
JC - Springwater Wetland	150,000	0	0	0	0	150,000
JC - Brunkow	0	256,000	514,000	24,000	0	794,000
JC - Freeway Land Co FP Restoration	50,000	50,000	1,000,000	3,000,000	3,000,000	7,100,000
JC - Oxbow	0	242,000	182,000	972,000	0	1,396,000
JC Willing Seller Phase II	500,000	500,000	500,000	500,000	500,000	2,500,000
Fanno/Tryon Stormwater Retrofits	0	132,000	485,000	485,000	406,000	1,508,000
Fanno Beaverton Hillsdale Hwy	386,000	604,000	0	0	0	990,000
Fanno/Tryon Outfall	100,000	950,000	50,000	0	0	1,100,000
F/T - Barbur Blvd Drainage Retrofit	40,000	40,000	254,000	254,000	214,000	802,000
F/T - I-5 / SW 26 WQF	2,000,000	100,000	0	0	0	2,100,000
Fanno/Tryon WQF 2	0	0	35,000	270,000	270,000	575,000
Fanno/Tryon Drainage Shoulder Improvemnt	0	213,000	1,198,000	1,195,000	1,195,000	3,801,000
SE Platt Ave WQF	160,000	0	0	0	0	160,000
Stephens Creek Confluence Monitoring	10,000	10,000	0	0	0	20,000
	64,247,000	75,280,000	69,339,000	81,185,000	70,478,000	360,529,000

	FY 14	FY 15	FY 16	FY 17	FY 18	5-year total
Other Priorities						
Bike Boulevard Green Street	1,765,000	71,000	0	0	0	1,836,000
Watershed Investment Fund	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	7,500,000
G2G Land Acquisition	2,000,000	2,000,000	2,000,000	500,000	0	6,500,000
Watershed Land Acquisition Program	0	0	0	1,000,000	1,000,000	2,000,000
G2G Green Street Program	719,000	0	0	0	0	719,000
Green Streets/Bikeways	200,000	800,000	0	0	0	1,000,000
Reveg Annual Plant Est Umbrell FY13,FY14	259,000	0	0	0	0	259,000
E Moreland Golf Course Culvert Replacement	300,000	0	0	0	0	300,000
Crystal Springs Green Streets	50,000	300,000	0	0	0	350,000
Westmoreland Ph.2/Tacoma Culvert & GS	1,200,000	0	0	0	0	1,200,000
Culvert Replacement Phase II	1,241,000	1,707,000	931,000	0	0	3,879,000
Railroad Culvert Replacement	39,000	0	0	0	0	39,000
CS - NE 33rd Drive Culvert Phase II	2,300,000	0	0	0	0	2,300,000
FT - SW 45th Ave Culvert	65,000	62,000	483,000	0	0	610,000
F/T - Jackson Middle School Creek Daylite	0	0	168,000	929,000	295,000	1,392,000
F/T -Spring Garden Stream	125,000	0	0	0	0	125,000
F/T - Boones Ferry Culvert	231,000	250,000	1,434,000	250,000	0	2,165,000
	11,994,000	6,690,000	6,516,000	4,179,000	2,795,000	32,174,000
	116,253,000	106,318,000	98,751,000	109,538,000	94,302,000	525,162,000